

Examiner's Gm

AN 1982-01551E [01] WPIDS
TI Mechanical and heat treatment of dies and races - with additional
induction heating to controlled depth before deformation.
DC M24
IN ALIMOV, V I; SHAPOVALOV, S I
PA (DONE) DON POLY
CYC 1
PI SU 817079 B 19810330 (198201)* 3p <--
PRAI SU 1979-2732378 19790305
AB SU 817079 B UPAB: 19930915
The working life of dies, ball races, etc. subject to abrasive wear and
heavy loadings is increased by heating to austenitisation temp., holding,
additional induction heating above austenitisation temp., plastic
deformation of the working surface, quenching and tempering. The
supplementary induction heating extends to the volume of metal a distance
of 2-15 mm. from the deformed working surface.